

ABSTRACT

Wave and tide actuated pump.

A pumping mechanism that utilizes wave and tidal energy to operate. The mechanism relies on the depth of the fluid or ocean and the length of the pump cylinder to accommodate shifting wave and tide patterns. Alternatively, the mechanism is imbedded or placed in an excavation in the fluid or ocean bed of sufficient depth and width to accommodate the piston cylinder, its' casing and the shifting wave and tide conditions.. The invention relies on a buoy or float for the lift of a weighted piston and the weighted piston, when descending, provides the means of creating pressure on the water entrapped in the cylinder, thus causing a pumping action. The pump may be used individually or in concert with other pumps. The pump is intended to move large or small volumes of water at high or low pressures, singularly or in concert with other pumps.